

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
22 March 2001 (22.03.2001)

PCT

(10) International Publication Number  
**WO 01/19870 A3**

(51) International Patent Classification<sup>7</sup>: C07K 14/47

(21) International Application Number: PCT/EP00/09137

(22) International Filing Date:  
18 September 2000 (18.09.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
09/397,550 16 September 1999 (16.09.1999) US

(71) Applicant (for all designated States except US):  
**WARNER-LAMBERT COMPANY** [US/US]; 201  
Tabor Road, Morris Plains, NJ 07950 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BROWN, Jason,**  
**Peter** [GB/GB]; 9 Church Street, Stapleford, Cambridge,  
Cambridgeshire CB2 5DS (GB). **BERTELLI, François**  
[FR/GB]; 25 The Close, Royston, Hertfordshire SG8 7JT  
(GB).

(74) Agent: **BECKER, Philippe**; Cabinet Becker et Associés,  
10, rue de Milan, F-75009 Paris (FR).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,  
DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,  
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,  
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,  
TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian  
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European  
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,  
IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG,  
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:  
— with international search report

(88) Date of publication of the international search report:  
7 March 2002

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: SECRETED SOLUBLE ALPHA2DELTA-2, ALPHA2DELTA-3, ALPHA2DELTA-4 CALCIUM CHANNEL SUB-UNIT POLYPEPTIDES AND SCREENING ASSAYS USING SAME

(57) Abstract: The present invention relates to secreted soluble  $\alpha 2\delta$ -2,  $\alpha 2\delta$ -3 or  $\alpha 2\delta$ -4 calcium channel subunit polypeptides and their preparation, corresponding nucleic acids, recombinant vectors and host cells, as well as screening assays using same.

WO 01/19870 A3